

Patent Abstracts of Japan

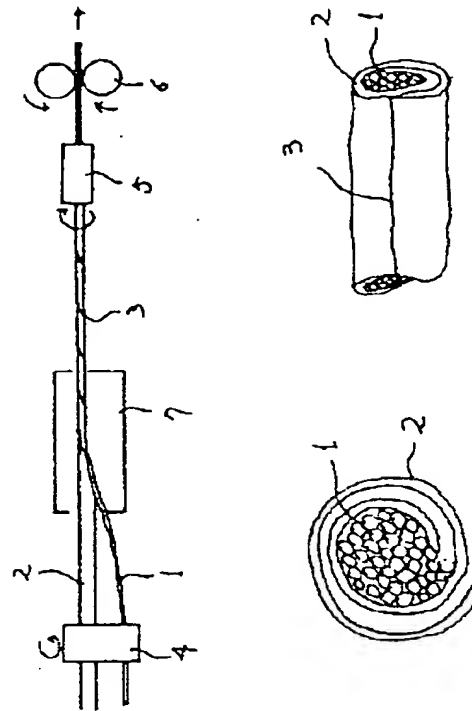
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 PATENTEE : TORAY IND INC
 PATENT DATE: 02-03-1992

INVENTOR : NEGISHI TAKAO

INT.CL. : D02G3/36

TITLE : LAVER-WOUND STRUCTURE YARN
 AND PRODUCTION THEREOF



ABSTRACT : PURPOSE: To obtain the subject product having excellent luster, excellent touch and high quality in good productivity by winding a tape-like material on the periphery of a core fiber by a specific method so that the side end of the tape-like material is approximately parallel to the axis of the fiber.
 CONSTITUTION: A fiber 1 and a tape-like material 2 are gathered and subsequently passed through a false-twisting device 5 whereby the tape-like material 2 is at least partially spirally wound on the periphery of the core fiber 1 by the twisting action generated in the upstream of the false twisting device 5 and the overlapped portions of the tape-like material 2 are slid from each other to untwist the false-twisted yarn so as to reduce the spiral angle by the untwisting action generated by passing through the false-twisting device 5. The prepared untwisted yarn is taken out to provide the objective yarn which is a sheath/core structure fiber where the tape-like material 2 is wound on the periphery of the core fiber 1 and where the side end portion 3 of the tape-like material 2 is approximately parallel to the axis of the yarn.

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PA : (TORA) TORAY IND INC

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TI : Rolled structure thread for knitting, etc. - comprises core thread coiled with tape like item

AB : J04065544 Sheathed core structure thread consists of the core thread coiled with tape state items around. Side ends of the tape state item are parallel to the thread axis. Process comprises passing the thread and the tape together to wind the tape around the core thread spirally by overlapping partially. The overlapped portion of the tape is untwisted by sliding the overlapped portion each other while passing through the flase twisting device to reduce spiral angle and to take up. The core thread consists of, e.g., polyethylene terephthalate multifilament yarn and the tape polyethylene terephthalate covered with aluminium foil.

- USE/ADVANTAGE - The thread is used for knitting and handicraft. The tape covering the core thread is coloured to gold, silver, red, etc.. The thread has excellent characteristics such as soft, good feeling, lustrous and magnetic wave shield ability. (4pp Dwg.No.0/3)

